

Claims

- [c1] 1. A recording disk drive comprising:
- an enclosure;
 - a recording disk incorporated in the enclosure;
 - a head slider opposed to a surface of the recording disk;
 - a head actuator coupled to a support shaft for relative rotation so as to support the head slider at a tip end of the head actuator; and
 - a rectifier plate located at a location outside an arc defined along a movement path of the tip end of the head actuator, the rectifier plate having an edge extending on an arc equidistant from the support shaft.
- [c2] 2. The recording disk drive according to claim 1, further comprising:
- an attachment base fixed on the enclosure at a location outside the recording disk and designed to support the rectifier plate; and
 - an airflow guiding surface defined on the attachment base so as to face the recording disk at a location outside a shroud surface, said airflow guiding surface designed to guide airflow generated based on rotation of the recording disk.

[c3] 3. The recording disk drive according to claim 2, wherein a dust catcher is located in a space defined between the airflow guiding surface and the recording disk.

[c4] 4. The recording disk drive according to claim 2, further comprising:
a ramp extending forward from the attachment base at a position adjacent the rectifier plate, said ramp terminated within a space above a non-data zone on the recording disk;
a slope defined at a front end of the ramp so as to receive the tip end of the head actuator; and
a guiding passage extending backward from a rear end of the slope and terminated on the ramp, said guiding passage designed to receive the tip end of the head actuator.

[c5] 5. The recording disk drive according to claim 1, wherein two or more of the recording disk are incorporated in the enclosure, the rectifier plate being located in a space defined between adjacent ones of the recording disk.

[c6] 6. The recording disk drive according to claim 5, further comprising:
an attachment base fixed on the enclosure at a location outside the recording disk so as to support the rectifier

plate; and

an airflow guiding surface defined on the attachment base so as to face the recording disk at a location outside a shroud surface of the recording disk.

[c7] 7. The recording disk drive according to claim 6, wherein a dust catcher is located at a space defined between the airflow guiding surface and the recording disk.

[c8] 8. The recording disk drive according to claim 6, further comprising:
a ramp extending forward from the attachment base at a position adjacent the rectifier plate, said ramp terminated within the space above a non-data zone on the recording disk;
a slope defined at a front end of the ramp so as to receive the tip end of the head actuator; and
a guiding passage extending backward from a rear end of the slope and said guiding passage designed to receive the tip end of the head actuator.

[c9] 9. A ramp member comprising:
an attachment base;
a ramp extending forward from the attachment base;
a rectifier plate designed to extend forward from a front end of the ramp, the rectifier plate having an edge described on an arc of a predetermined curvature;

a slope defined at the front end of the ramp so as to receive a load bar on a head actuator; and
a guiding passage designed to extend backward from the rear end of the slope and terminated on the ramp, said guiding passage designed to receive the load bar on the head actuator.

[c10] 10. The ramp member according to claim 9, wherein two or more of the rectifier plate extend forward from the front end of the ramp, a dust catcher being incorporated between adjacent ones of the rectifier plate.

[c11] 11. A recording disk drive comprising:
a recording disk;
a head slider opposed to the surface of the recording disk;
a head actuator supporting the head slider at the tip end;
a ramp member designed to receive the tip end of the head actuator so as to position the head slider at a position spaced from the recording disk; and
a dust catcher incorporated in the ramp member.

[c12] 12. A ramp member comprising:
an attachment base;
a ramp designed to extend from the attachment base so as to receive a load bar on a head actuator; and
a dust catcher fixed to the attachment base.

